

Metal Stamping Market by Process (Embossing, Blanking, Bending, Coining, Flanging), Material Thickness (=0.4mm, >0.4mm), Press Type (Hydraulic Press, Mechanical Press, Servo Press), Material, End-Use Industry, Region - Trends and Forecast to 2028

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Abstracts

The metal stamping market is projected to grow from USD 213.8 billion in 2023 to USD 257.1 billion by 2028, at a CAGR of 3.7% during the forecast period. The growing population, rising per capita income, rapid industrialization, and infrastructural development have led to the growth of the automotive and construction industry, thereby driving the demand for metal stamped components.

By Process, Blanking process accounted for the highest CAGR during the forecast period

Out of the five process types (embossing, blanking, bending, coining, flanging), blanking has the largest market share and is the fastest growing segment during the forecast period. This process is automated, large quantities can be produced quickly and efficiently. Furthermore, because the process only removes material from the sheet or coil's edges, it produces very little waste, making it an environmentally friendly manufacturing method. The blanking process is an essential tool for metal stamping manufacturers, allowing them to quickly and efficiently produce high-quality, uniform parts. Some of the major applications of the blanking process are making medals, computer parts, precision tools, automotive parts, cutlery, and power tools.

By Material, Steel material accounted for the highest CAGR during the forecast period

Out of the three material (steel, aluminum, copper), steel has the largest market share

and is the fastest growing segment during the forecast period. Market growth is driven by the rising demand for metal-stamped steel products in automobiles, appliances, and electronics. Technological advancements have resulted in new steel alloys and manufacturing methods that improve strength, durability, and cost-effectiveness. As a result, manufacturers increasingly incorporate steel into their products, which may drive demand in the metal stamping market.

By Material thickness, ≤ 0.4 mm accounted for the highest CAGR during the forecast period

Out of the two material thickness types (≤ 0.4 mm and > 0.4 mm), ≤ 0.4 mm is the fastest growing segment during the forecast period. ≤ 0.4 mm delivers high strength, flexibility, and precision to create complex and precise parts. Thin-gauge materials are used in various metal stamping applications, including producing parts like battery contacts, circuit board components, and other small, precision components for electronic devices such as laptops, smartphones, and tablets. They find demand in the automotive industry, especially for interior components such as door panels, dashboard trim, and other decorative elements; the aerospace industry, for lightweight aircraft components such as ducts, housings, and brackets; and the medical industry, for surgical instruments, implants, and other medical devices.

By Press type, Mechanical press accounted for the highest CAGR during the forecast period

Out of the three press types (mechanical, hydraulic and servo), mechanical press has the largest market share and is the fastest growing segment during the forecast period. Mechanical presses are preferred for metal stamping due to their high speed, consistency, accuracy, low maintenance, and cost-effectiveness. They can operate at high speeds, deliver a consistent amount of force with each stroke, and provide precise control over stamping location and depth. Furthermore, mechanical presses are less expensive and require less maintenance than hydraulic presses.

By End-Use Industry, Medical accounted for the highest CAGR during the forecast period

Out of the seven end-use industries (automotive, industrial machinery, construction, electricals & electronics, aerospace, telecommunication and medical), medical is the fastest growing segment during the forecast period. Growing aging population, increasing access to healthcare, increasing healthcare expenditure and advancement in

medical technology are some of the factors that will help the market to grow. In medical application, Implants to grow at a highest CAGR during the forecast period.

North America is projected to account for the highest CAGR in the metal stamping market during the forecast period

North America has traditionally been one of the major markets for metal stamping. Globally, North America has been a leader in product innovation in terms of quality and applications. The US is the most dominant country in the North American metal stamping market. The US dominated the North American metal stamping market. The key companies producing metal-stamped components in North America include Arconic Corporation, Clow Stamping Company, Wiegel Tool Works, Inc., and American Axle & Manufacturing Holdings, Inc. These companies account for a prominent share of the global market.

Further in-depth interviews were conducted with the Chief Experience Officer (CXO), Managers, Marketing Officers, Production Officers, and other related key executives from various key companies and organizations operating in the metal stamping market.

By Department: Sales/Export/ Marketing: 60%, CXOs: 25%, Production: 15%

By Designation: C-Level Executives: 5%, CXOs: 25%, and Managers: 70%

By Region: North America: 30%, Europe: 15%, Asia Pacific: 40%, South America: 5% and Middle East & Africa: 10%.

Companies Covered: Gestamp Automoci?n, S.A. (Spain), Arconic Corporation (US), American Axle & Manufacturing Holdings, Inc. (US), CIE Automotive S.A. (Spain), Interplex Holdings Pte. Ltd. (Singapore), AAPICO Hitech Public Company Limited (Thailand), Clow Stamping Company (US), Wiegel Tool Works, Inc. (US), Harvey Vogel Manufacturing Co. (US), ACRO Metal Stamping (US), Boker's, Inc. (US), and Kenmode, Inc. (US) and others.

Research Coverage

The market study covers the metal stamping market across various segments. It aims at estimating the market size and the growth potential of this market across different segments based on end-use, process, material, material thickness, press, and region.

The study also includes an in-depth competitive analysis of key players in the market, their company profiles, key observations related to their products and business offerings, recent developments undertaken by them, and key growth strategies adopted by them to improve their position in the metal stamping market.

Key Benefits of Buying the Report

The report is expected to help the market leaders/new entrants in this market share the closest approximations of the revenue numbers of the overall metal stamping market and its segments and sub-segments. This report is projected to help stakeholders understand the competitive landscape of the market, gain insights to improve the position of their businesses and plan suitable go-to-market strategies. The report also aims at helping stakeholders understand the pulse of the market and provides them with information on the key market drivers, challenges, and opportunities.

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